RX20T

Adjustable Vitreous-Enamel Wirewound Power Resistors

Product Introduction

• Product features: Dedicated accessories (optional) for easy installation. Excellent high-temperature load performance. Vitreous enamel resists contamination, moisture, chemical gas corrosion and high temperatures.

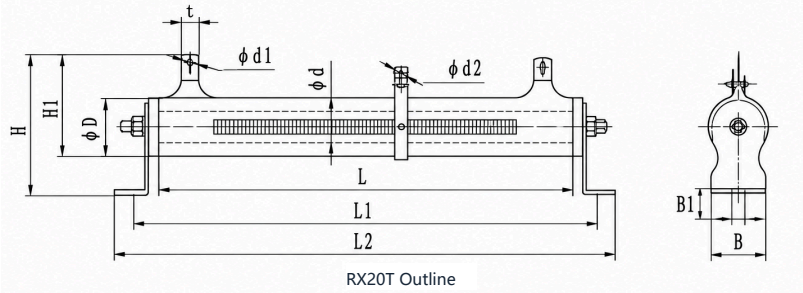
• Applications: DC and low-frequency AC circuits for voltage division, current shunting and loads.

• Military products of Qizhuan grade are available by agreement.

• Products meeting RoHS, REACH and three-proof protection requirements are available.

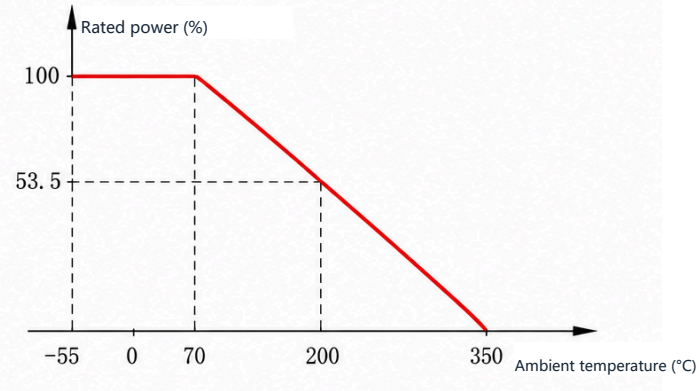


Dimensions

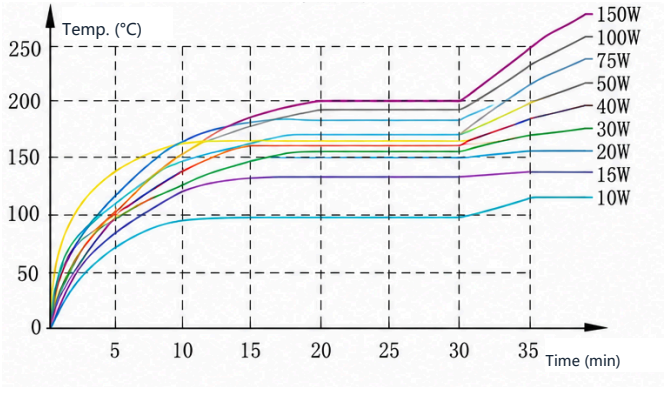


RX20T Outline

Power Derating Curve



Temperature Rise Curve



Specifications

Model	Rated power (W)	Resistance range (Ω)	Dimensions (mm)											
			L	L1	L2	D	d	H	H1	d1	t	d2	B	B1
RX20T-10W	10	5.1 ~ 200	41±1.5	—	—	14±2	5.5±0.7	—	28.5±2.5				—	—
RX20T-16W	16	5.1 ~ 220	45±1.5	66±2	82±2								15	4.5
RX20T-20W	20	5.1 ~ 430	51±2	72±2	88±2.2	17±2	8±0.7	41±2	31±2.5				15	4.5
RX20T-25W	25	5.1 ~ 510	51±2	77±3	88±3					2	5	2	20	5.5
RX20T-30W	30	5.1 ~ 1K	71±2.2	97±3	108±3								20	5.5
RX20T-40W	40	5.1 ~ 1.2K	87±2.2	113±3	124±3	21±2.5	12±0.8	51.5±2	35±2.5				20	5.5
RX20T-50W	50	5.1 ~ 1.5K	91±2.4	120±3	135±3								30	5.5
RX20T-75W	75	5.1 ~ 2K	140±3.2	170±4	184±4								30	5.5
RX20T-100W	100	5.1 ~ 2.7K	170±3.5	200±4	214±4	29±3	20±1.5	59±2	43±3	3.5	6	2	30	5.5
RX20T-150W	150	5.1 ~ 4.3K	215±4	244±4	259±4								30	5.5

Main Test Items

Test item	Test conditions	Requirement	Test standard
Insulation resistance	Voltage: (500±50) Vdc, 1min, foil method	≥20MΩ/cm²	GB/T 5729-1994, 4.6
Voltage withstand	2000Vdc, 1min, between terminals and copper foil inside ceramic tube	No breakdown or flashover	GB/T 5729-1994, 4.7
Overload	10 times rated power for 5s	ΔR≤±(2%R+0.1Ω)	GB/T 5732-1985, 2.3.4
Temperature rise	Ambient: (15 ~ 35) °C, rated power	≤325°C	GB/T 5729-1994, 4.14
Body strength	Load: ≤40W: 30N; ≥50W: 100N	ΔR≤±(1%R+0.05Ω)	GB/T 5729-1994, 4.15
Terminal strength	Tensile force: 20N, 10s	ΔR≤±(1%R+0.05Ω)	GB/T 2423.29-1982
Solderability	HlSnPb39, 75W soldering iron method, solder bath method	Uniform tin wetting	GB/T 2423.28-1982
Rapid temperature change	Range: (-55 ~ +200) °C, 5 cycles	ΔR≤±(2%R+0.1Ω)	GB/T 2423.22-1981
Bump	(40 ~ 80) bumps/min, acceleration 245m/s², 2000 bumps	ΔR≤±(1%R+0.05Ω)	GB/T 2423.06-1981
Vibration	(10 ~ 500) Hz, amplitude 0.75mm or acceleration 98m/s², 1h	ΔR≤±(1%R+0.05Ω)	GB/T 2423.10-1981
Steady damp heat	(40±2) °C, relative humidity (93±3)%, 96h	ΔR≤±(2%R+0.1Ω)	GB/T 2423.03-1993
Room-temperature endurance	Ambient (15 ~ 35) °C, rated power, 1.5h on / 0.5h off, 1000h	ΔR≤±(5%R+0.1Ω)	GB/T 5729-1994, 4.25

Ordering Example

